



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<b><u>ILLINOIS, Northwest</u></b>								
<b>Hancock County</b>								
Dallas City	11	1358CST			0	0		Hail(1.00)
<b>Henderson County</b>								
2 S Stronghurst	11	1405CST			0	0		Hail(0.75)
<b>Warren County</b>								
Greenbush	11	1440CST			0	0		Hail(0.75)
<b>ILZ035</b>								
McDonough								
	11	1515CST			0	0		Flood
	16	1930CST						
Heavy rains resulted in major flooding along the La Moine River at Colmar. The river crested some 7 feet above flood stage at 25.69 feet, tying the record for the 3rd highest crest.								
<b>Henderson County</b>								
2 N Stronghurst to Stronghurst	11 12	2320CST 0105CST			0	0		Flash Flood
Ellison Creek just north of the Highway 96 and 116 junction went out of it's banks and into fields. Some basements in Stronghurst were flooded. Also, Honey Creek rose out of it's banks with water covering roads near Olena.								
<b>McDonough County</b>								
Countywide	11 12	2354CST 0105CST			0	0		Flash Flood
Many roads were covered in water and impassable. Several people were stranded in their vehicles and had to be rescued.								
<b>Hancock County</b>								
Countywide	12	0010CST 0230CST			0	0		Flash Flood
Several roads in Carthage were covered with water up to a foot deep. One residence in a low lying area was evacuated. Water covered a large portion of Highway 136 heading west of Carthage.								
<b>Henderson County</b>								
Lomax	12	0112CST 0300CST			0	0		Flash Flood
7 to 8 inches of water covered Illinois route 96.								
<b>Bureau County</b>								
Countywide	12	0142CST 0500CST			0	0		Flash Flood
In Spring Valley, one of the two Kirby Park tennis courts was flooded, with water extending into the softball diamond outfield. The dock at the Barto Landing was also under water. A creek 2 miles northwest of Ladd overflowed it's banks, with water extending into fields. A person escaped injury as their automobile hydroplaned off Interstate 80 and overturned. Pike Road in southeast portions of the county was flooded.								
<b>Hancock County</b>								
5 W Carthage	12	0215CST 0515CST			0	0		Flash Flood
Highway 136 and route 96 were covered with water and impassable in spots.								
<b>Henderson County</b>								
1 E Biggsville	12	0300CST 0500CST			0	0		Flash Flood
Water covering several portions of Highway 34.								
<b>Henderson County</b>								
Oquawka	12	0424CST 0700CST			0	0		Flash Flood
Henderson Creek rose out of it's banks and flooded nearby fields.								



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### ILLINOIS, Northwest

#### **Mercer County**

<b>3 NE Aledo</b>	12	0500CST			0	0		<b>Urban/Sml Stream Fld</b>
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Minor flooding reported on some secondary roads.

#### **Mcdonough County**

<b>2 NE Bushnell</b>	12	0635CST 0900CST			0	0		<b>Flash Flood</b>
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Water up to a foot deep covered portions of Highway 41 making it impassable.

Strong dynamics and deep moisture resulted in a significant heavy rain event. Low pressure, which developed over the central plains, moved northeast along a warm front positioned over Northern Missouri and West Central Illinois. One swath of heavy rain occurred Saturday morning and early afternoon in association with strong low level warm advection, as a strong low level jet of 60 knots through Oklahoma into South Central Kansas helped to bring deep moisture northward to destabilize the atmosphere. This resulted in an increase in coverage and intensity of the showers and thunderstorms, which deposited a widespread 1 to 2 inches of rain by late Saturday afternoon. A second round of heavy rain fell late Saturday evening through early Sunday morning, as the low pressure system moved northeast along the warm front. Storm total rainfall amounts ranged anywhere from 3 to as much as 6 inches, with isolated higher amounts of near 8 inches.

#### **Stephenson County**

<b>Lena</b>	30	1940CST			0	0		<b>Thunderstorm Wind (G52)</b>
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Trees down.

#### **Stephenson County**

<b>Cedarville</b>	30	1945CST			0	0		<b>Hail(0.88)</b>
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#### **Stephenson County**

<b>1 SE Cedarville</b>	30	1955CST			0	0		<b>Funnel Cloud</b>
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#### **Carroll County**

<b>Riverview</b>	30	2055CST			0	0		<b>Hail(1.00)</b>
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### IOWA, East Central and Southeast

#### **IAZ078-089**

#### **Louisa - Des Moines**

01	0000CST			0	0			<b>Flood</b>
03	0715CST							

Minor to moderate flooding along the Mississippi River, from locally heavy rain and snowmelt in April, continued into the first 3 days of May from near New Boston to Burlington.

#### **Des Moines County**

<b>Burlington</b>	01	1557CST			0	0		<b>Hail(0.75)</b>
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#### **Dubuque County**

<b>1 SE Sherrill</b>	06	2030CST			0	0		<b>Hail(1.75)</b>
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#### **Keokuk County**

<b>Ollie</b>	08	2045CST			0	0		<b>Thunderstorm Wind (G57)</b>
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Trees and powers lines down.

#### **Keokuk County**

<b>Richland</b>	08	2045CST			0	0		<b>Thunderstorm Wind (G57)</b>
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Trees and power lines down.

#### **Keokuk County**

<b>.5 S Richland</b>	08	2045CST	0.1	10	0	0	25K	<b>Tornado (F0)</b>
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### IOWA, East Central and Southeast

A brief spinup tornado, along the leading edge of a cluster of thunderstorms, produced heavy damage to a farmstead south of Richland. Power lines and large trees were knocked down, and a machine shed and grain bin were destroyed. No injuries were reported.

<b>Johnson County</b> 2 NW Oxford	08	2059CST			0	0			Hail(0.75)
<b>Iowa County</b> Homestead	08	2105CST			0	0			Hail(1.00)
<b>Clinton County</b> 3 S Delmar	08	2112CST			0	0			Hail(0.75)
<b>Johnson County</b> Swisher	08	2125CST			0	0			Thunderstorm Wind (G52)
		Tree limbs down.							
<b>Jackson County</b> 2 S Bellevue	08	2158CST			0	0			Thunderstorm Wind (G52)
<b>Lee County</b> 3 S Argyle	11 12	2257CST 0100CST			0	0			Flash Flood
		300 Street from Highway 61 to Highway 218, and 320th Street were covered in water and impassable. Also, Devils Creek rose out of it's banks, with water covering portions of 235th Street.							
<b>Dubuque County</b> Dubuque	11 12	2335CST 2335CST			0	0			Hail(1.75)
<b>Henry County</b> Oakland Mills	12	0430CST 0700CST			0	0			Flash Flood
		Cedar Creek near Oakland Mills rose rapidly to more than 3 feet above flood stage.							
<b>IAZ077-089-099</b>		<b>Washington - Des Moines - Lee</b>							
	12 14	0333CST 0027CST			0	0			Flood
		Heavy rain resulted in flooding along the Des Moines, English and Skunk Rivers. The English River near Kalona and Skunk River at Augusta both crested just above flood stage. The Des Moines River at St. Francisville saw more significant rises, as it crested at nearly 3.5 feet above flood stage.							
<b>Jones County</b> 1 W Canton	13	1507CST			0	0			Hail(1.00)
<b>Scott County</b> 1 S Long Grove	13	1555CST			0	0			Hail(0.75)
<b>Van Buren County</b> Douds	23	0400CST			0	1			Lightning
		A man was left with a headache after being struck by lightning.							
<b>Jones County</b> Monticello	29	0145CST			0	0			Urban/Sml Stream Fld
		Several streets with water up to the curb.							
<b>Keokuk County</b> Countywide	29	1400CST 1600CST			0	0			Urban/Sml Stream Fld



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### IOWA, East Central and Southeast

Water covered portions of 180th Street east of Sigourney and had to be barricaded. Agricultural flooding was also observed west of Sigourney on Highway 92.

Linn County Alburnett	30	1823CST			0	0			Hail(1.00)
Linn County Springville	30	1842CST			0	0			Hail(1.00)
Linn County 1 N Marion	30	1845CST			0	0			Hail(1.00)
Linn County Springville	30	1855CST			0	0			Hail(0.88)
Linn County Springville	30	1900CST			0	0			Hail(0.75)
Cedar County Buchanan	30	1945CST			0	0			Hail(1.00)
Cedar County 5 W Tipton	30	2000CST			0	0			Funnel Cloud
Jackson County 2 E Preston	30	2010CST			0	0			Hail(0.75)
Jackson County 2 N Miles	30	2011CST			0	0			Hail(1.00)

Scattered thunderstorms developed over Northeast Iowa during the late afternoon and early evening ahead of a weak frontal boundary. Moderate instability and sufficient deep-layer shear provided a favorable environment for severe thunderstorms. There were several occurrences of large hail and even an isolated funnel cloud, but no damage was reported. The thunderstorms dissipated fairly quickly after sunset.

### MISSOURI, Northeast

Scotland County Gorin	06	0617CST			0	0			Hail(1.00)
Clark County 5 NE Kahoka	11 12	2120CST 0115CST			0	0			Flash Flood

Low spots of County Road D and County Road K were under water forcing them to be closed. Water also covered portions of Jefferson and Main Streets. A creek on the east side of North Jefferson Street was forced out of its banks and nearly submerged an entire garden of a nearby residence. The water receded quickly enough that no damage was done to the garden.

Scotland County Memphis	11 12	2210CST 0115CST			0	0			Flash Flood
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4 to 6 inches of water covered some city streets and portions of U.S. Highway 15 north of town. The basements of some residences in town were also flooded.

Clark County Countywide	12	0423CST 0700CST			0	0			Flash Flood
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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Persons Injured	Property Damage	Crops	

### MISSOURI, Northeast

Widespread flash flooding was observed throughout the county with many secondary roads water covered and closed. Also, homes in several communities had water in basements.

#### Scotland County Countywide

12	0423CST 0700CST	0	0	Flash Flood
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Widespread flash flooding was observed throughout the county with many secondary roads water covered and closed.

Strong dynamics and deep moisture resulted in a significant heavy rain event. Low pressure, which developed over the central plains, moved northeast along a warm front positioned over Northern Missouri and West Central Illinois. One swath of heavy rain occurred Saturday morning and early afternoon in association with strong low level warm advection, as a strong low level jet of 60 knots through Oklahoma into South Central Kansas helped to bring deep moisture northward to destabilize the atmosphere. This resulted in an increase in coverage and intensity of the showers and thunderstorms, which deposited a widespread 1 to 2 inches of rain by late Saturday afternoon. A second round of heavy rain fell late Saturday evening through early Sunday morning, as the low pressure system moved northeast along the warm front. Storm total rainfall amounts ranged anywhere from 3 to as much as 7 inches, with isolated higher amounts of near 10 inches reported in Scotland County. This significant heavy rain triggered widespread flash flooding. Many roads, especially secondary roads, were covered in water and closed. Clark and Scotland Counties were designated as 2 of 60 Missouri counties eligible to receive federal disaster funds. The heavy rains did a lot of damage to county roads, bridge approaches and even some bridges in Clark County, prompting officials to apply for more than \$120,000 in federal funds to help with the road and bridge repairs.

### MOZ010

Clark				
12	0221CST	0	0	Flood
14	2037CST			

Heavy rain resulted in flooding along the Fox, Des Moines and Mississippi Rivers in Northeast Missouri. The Mississippi River at Gregory Landing crested just over 2 feet above flood stage, while the Fox River at Wayland and Des Moines River at St. Francisville both crested at nearly 3.5 feet above flood stage.